

Javascript

Session 4 : Welcome to the Jungle

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Welcome to the jungle ?

- Bases et structures : vues
- Quelques exemples de librairies/framework utiles
- Exercices

Semantic Versioning

- <http://semver.org/>
- 2.1.0
 - 2 = Majeure : Incorporation de changements incompatible avec l'ancienne version
 - 1 = Mineure : Ajouts et amélioration ne cassant rien
 - 0 = Patch : Résoudre des bugs

Framework HTML / Javascript : Bootstrap

- <https://getbootstrap.com>
- Version 3 actuelle, version 4 arrive
- “Grid system”



Preprocessors

Bootstrap ships with vanilla CSS, but its source code utilizes the two most popular CSS preprocessors, [Less](#) and [Sass](#). Quickly get started with precompiled CSS or build on the source.



One framework, every device.

Bootstrap easily and efficiently scales your websites and applications with a single code base, from phones to tablets to desktops with CSS media queries.



Full of features

With Bootstrap, you get extensive and beautiful documentation for common HTML elements, dozens of custom HTML and CSS components, and awesome jQuery plugins.

Un framework MVW : AngularJS

- <https://angularjs.org/>
- Model View Whatever
- Adapté à la création d'Application Input
- Non Adapté à la création de site web
“output” (Problème de SEO entre autre)



Exemple :

[http://www.perseids.org/tools/arethusa/app/#/
perseids?chunk=1&doc=36522](http://www.perseids.org/tools/arethusa/app/#/perseids?chunk=1&doc=36522)

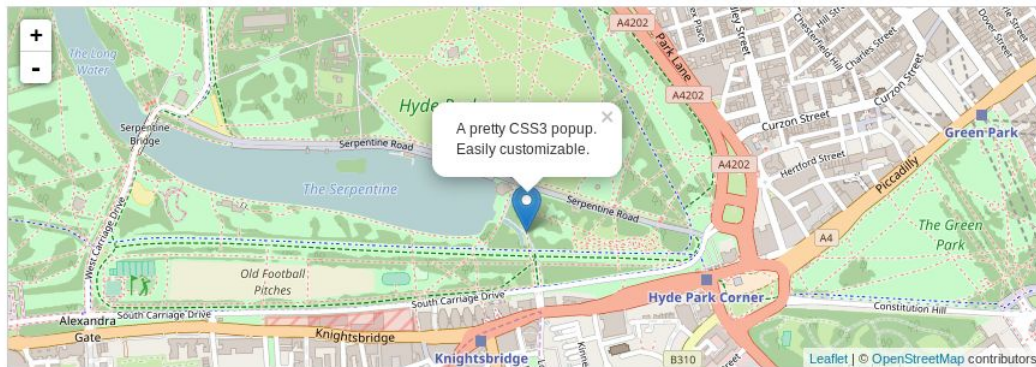
Un plugin : TypeAhead

- <https://twitter.github.io/typeahead.js/>
- <https://twitter.github.io/typeahead.js/examples/>
- Autocomplétion

Un plugin : Leaflet



- <http://leafletjs.com/>
- Plugin de création de carte (Open Source)
- Plus flexible que GMaps



Here we create a map in the 'map' div, add tiles of our choice, and then add a marker with some text in a popup:

```
var map = L.map('map').setView([51.505, -0.09], 13);

L.tileLayer('http://{s}.tile.osm.org/{z}/{x}/{y}.png', {
  attribution: '&copy; <a href="http://osm.org/copyright">OpenStreetMap</a> contributors'
}).addTo(map);

L.marker([51.5, -0.09]).addTo(map)
  .bindPopup('A pretty CSS3 popup.<br> Easily customizable.')
  .openPopup();
```

Une librairie/framework : D3JS

Dataviz

<https://d3js.org/>



Une librairie : Tesseract.js

OCR

<http://tesseract.projectnaptha.com>



Mild Splendour of the various-vested Night!
Mother of wildly-working visions! hail!
I watch thy gliding, while with watery light
Thy weak eye glimmers through a fleecy veil;
And when thou lovest thy pale orb to shroud
Behind the gather'd blackness lost on high;
And when thou darrest from the wind-rent cloud
Thy placid lightning o'er the awaken'd sky.

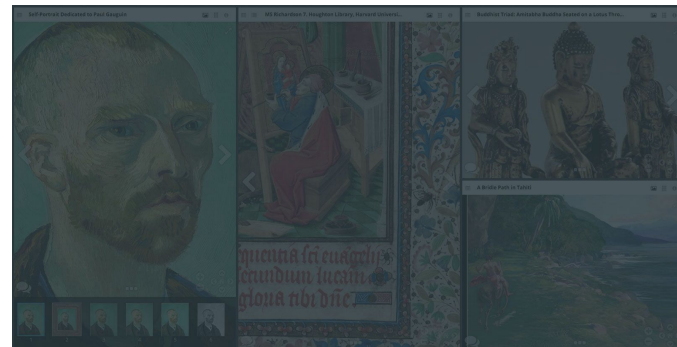


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recognizing text	
initializing api	
loading eng.traineddata	
unzipping eng.traineddata.gz	
downloading eng.traineddata.gz	

Une librairie : Mirador

- <https://github.com/ProjectMirador/mirador>
- IIIF (Standard de partage d'image)





Créer un carrousel avec BS3

Utiliser les 4 images dont les liens sont disponibles.

Ajouter le titre

Ajouter la légende “Folio XX du manuscrit ZZZ”



Créer une carte : leaflet

Utiliser slide-13/slide.json

- Positionner l'ensemble des points sur une carte
- Ajouter un curseur avec le texte affichable au clic (nom + description)